AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1. - 6. (canceled).

7.   (previously presented): An analysis system according to Claim 8, further comprising means for searching through the means for storing referring to specified management information to find the information concerning the positions of the probes to which the target substance has bound associated with the specified management information.

8.   (currently amended): An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

means for <u>marking the target substance with the marker and for</u> attaching management information peculiar to the test piece<u>, wherein the management information identifies the type and the position of each probe arranged and fixed on the test piece,</u> to a predetermined location on the test piece using a <u>the same</u> marker ~~the same as or similar to the marker used~~ for marking the target substance,

means for obtaining information concerning the positions of the probes to which the target substance has bound and simultaneously detecting the management information attached to the test piece, and

means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound.

9.   (canceled).

10.   (previously presented): An analysis system according to Claim 11, further comprising means for searching through the second storing means referring to specified management information to find the information concerning the positions of the probes to which the target substance has bound associated with the specified management information.

11.   (previously presented): An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

means for attaching encoded management information to a predetermined location on the test piece as ID information peculiar to the test piece using a marker the same as or similar to the marker used for marking the target substance,

means for obtaining information concerning the positions of the probes to which the target substance has bound and simultaneously detecting the ID information attached to the test piece,

first storing means for storing the management information in association with the ID information,

means for decoding the detected ID information by searching through the first storing means referring to the detected ID information to find the management information associated with the detected ID information, and

second storing means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound.

12. - 18.   (canceled).

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19.   (previously presented): The analysis system of claim 8, wherein the management

information includes at least one of a type of a base of the test piece, a date of preparing the test

piece, substances used as the probes and the positions of the probes.

20.   (canceled).

21.   (previously presented): An analysis system for analyzing a target substance by

causing the target substance marked with a marker to bind selectively to some of plural types of

probes arranged and fixed on a test piece and detecting positions of the probes to which the

target substance has bound comprising:

means for attaching encoded management information to a predetermined location on the

test piece as ID information peculiar to the test piece,

means for obtaining information concerning the positions of the probes to which the

target substance has bound,

means for detecting the ID information attached to the test piece,

first storing means for storing the management information in association with the ID

information,

means for decoding the detected ID information by searching through the first storing

means referring to the detected ID information to find the management information associated

with the detected ID information, and

second storing means for storing the management information in association with the

information concerning the positions of the probes to which the target substance has bound,

wherein obtaining information concerning the positions of the probes to which the target

substance has bound occurs simultaneously with detecting the ID information attached to the test

piece.

22.   (previously presented): An analysis system of claim 8, wherein the means for

storing the management information comprises a computer readable memory.

23.   (new): An analysis system for analyzing a target substance by causing the target

substance marked with a marker to bind selectively to some of plural types of probes arranged

and fixed on a test piece and detecting positions of the probes to which the target substance has

bound comprising:

a processor outputting marker pattern data and management information data,

a printer receiving the marker pattern data and management information data peculiar to

the test piece and outputting the marker pattern and management information data to the test

piece, wherein the management information identifies the type and the position of each probe

arranged and fixed on the test piece and wherein the marker pattern corresponds to positions of

probes located on the test piece,

means for obtaining information concerning the positions of the probes to which the

target substance has bound and simultaneously detecting the management information attached

to the test piece, and

means for storing the management information in association with the information

concerning the positions of the probes to which the target substance has bound.